

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1022-6H1CS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-01195	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	
19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1078 FNL 98 FEL	NENE	6	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	1770 FNL 456 FEL	SENE	6	10.0 S	22.0 E	S
At Total Depth	1770 FNL 456 FEL	SENE	6	10.0 S	22.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 961	23. NUMBER OF ACRES IN DRILLING UNIT 577
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 835	26. PROPOSED DEPTH MD: 10401 TVD: 10291
27. ELEVATION - GROUND LEVEL 5079	28. BOND NUMBER WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496


Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2490	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 10401	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	310	3.38	12.0
							50/50 Poz	1530	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Gina Becker	TITLE Regulatory Analyst II	PHONE 720 929-6086
SIGNATURE	DATE 05/29/2013	EMAIL gina.becker@anadarko.com
API NUMBER ASSIGNED 43047538100000	APPROVAL  Permit Manager	

Found 1977
Brass Cap, Set
Stone, Steel Post
& Pile of Stones.

S89°53'00"E
924.81' (Meas.)
S89°51'29"E
1368.62' (Meas.)
S89°55'E - 73.83' (G.L.O.)
W.C. S89°55'E
0.80' (G.L.O.)
S89°51'51"E - 2579.53' (Meas.)
39.88' (G.L.O.)

14.02' (G.L.O.)
19.93' (G.L.O.)
W.C Found 1977
Brass Cap, Pile
of Stones.
LOT 2
LOT 1
Well Surface
Position
Bottom of Hole
1770'
1078'
98'456'

N0°29'W - 40.56' (G.L.O.)
N00°26'48"W - 2677.38' (Meas.)
21.47' (G.L.O.)
19.09' (G.L.O.)
LOT 4
LOT 5
LOT 3
LOT 6
LOT 7

WELL LOCATION:
NBU 1022-6H1CS
ELEV. UNGRADED GROUND = 5083.2'

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Found 1977
Brass Cap, Pile
of Stones.
Found 1991
Aluminum Cap,
Pile of Stones.
Found 1991
Aluminum Cap,
Pile of Stones.

N0°28'W - 39.64' (G.L.O.)
N00°25'59"W - 2614.79' (Meas.)
13.79' (G.L.O.)
20.23' (G.L.O.)
N89°22'54"W - 2245.54' (Meas.)
N89°24'W - 34.02' (G.L.O.)
S89°41'37"W - 2641.02' (Meas.)
S89°40'W - 40.02' (G.L.O.)

N00°35'26"W (Basis of Bearings)
2661.54' (Measured)

N0°36'W - 80.18' (G.L.O.)
N00°34'50"W - 2629.48' (Meas.)
39.85' (G.L.O.)

NBU 1022-6H1CS (Surface Position)
NAD 83 LATITUDE = 39.982292° (39° 58' 56.252")
LONGITUDE = 109.473592° (109° 28' 24.932")
NAD 27 LATITUDE = 39.982327° (39° 58' 56.377")
LONGITUDE = 109.472907° (109° 28' 22.466")

NBU 1022-6H1CS (Bottom Hole)
NAD 83 LATITUDE = 39.980395° (39° 58' 49.423")
LONGITUDE = 109.474843° (109° 28' 29.435")
NAD 27 LATITUDE = 39.980430° (39° 58' 49.548")
LONGITUDE = 109.474158° (109° 28' 26.970")

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines. G.L.O. distances are shown in feet or chains.
2. 1 chain = 66 feet.
3. The Bottom of hole bears S26°54'20"W 775.10' from the Surface Position.
4. NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
5. Bearings and Distances are based upon a Local Cartesian Grid, oriented to Geodetic North at the North 1/4 Corner of Section 8, T10S, R22E, S.L.B.&M. The Grid having a mean project height of 5300'. Lineal units used are U.S. Survey Foot.
6. Basis of elevation is Tri-Sta "Two Water" located in Lot 4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

1770' FNL, 456' FEL (Bottom Hole)
SE $\frac{1}{4}$ NE $\frac{1}{4}$ OF SECTION 6, T10S, R22E,
S.L.B.&M., UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE SURVEYED: 8-9-12	SURVEYED BY: W.W.	SHEET NO: 6 6 OF 18
DATE DRAWN: 8-20-12	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'	Date Last Revised:	